

## Amplified All-in-One AP/PxP/CPE

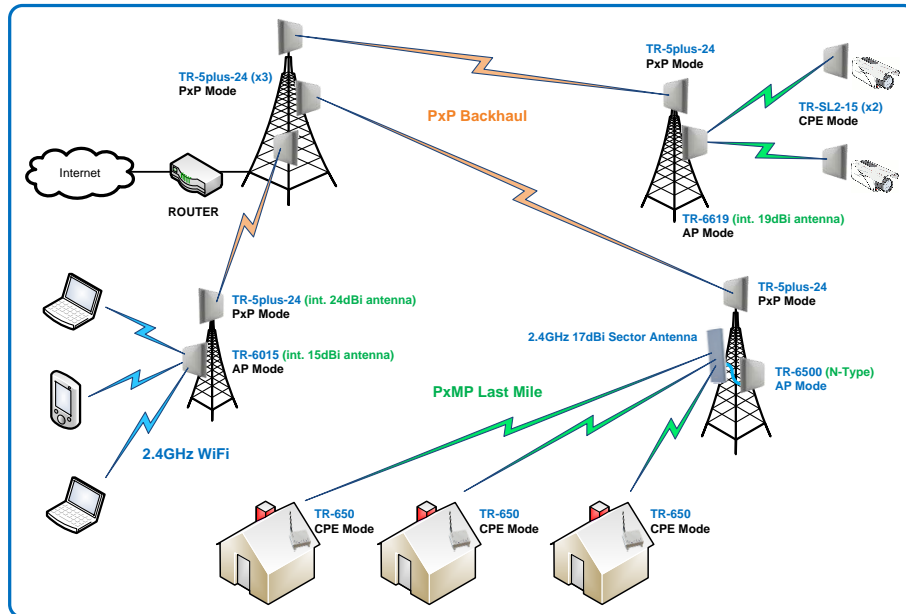
Tranzeo's **TR-650 Series** of Amplified 2.4GHz Indoor Tri-Mode Outdoor units can be configured as AP, PxP Bridge, or CPE. These units feature amplified radios and advanced networking and management capabilities including NAT Routing, StreamEngine™ QoS, Security, Bandwidth Throttling, and Dual Ethernet ports.

The ruggedized weatherproof all-in-one design meets IP67 and NEMA Type 4X environmental standards, requiring minimum installation and maintenance costs in conditions ranging from -60 °C to +60 °C. The **TR-6500** is also backed by an industry-leading **5-Year Parts and 3-Year Part & Labour Warranty** and **Lifetime Technical Support** for worry-free network operation.

Tranzeo's leading edge engineering facilities combined with our state-of-the-art in-house manufacturing ensures highest quality products at very competitive prices. The **TR-6500** family of products are RUS accepted with "Buy American" status, making it qualified for stimulus funding.

## Applications

- Remote Data Acquisition
- Internet Service
- Video Transmission
- Security and Surveillance
- Private Networks
- WiFi Hot Spots



## Key Features

- IEEE 802.11b/g Compliant
- AP/PxP/CPE Modes
- Up to +27dBm Transmit Power with Adjustable Output
- High Sensitivity Receiver
- Selectable 5/10/20MHz Channels
- Bandwidth Throttling
- Built-in StreamEngine™ QoS
- WEP/WPA/WPA2 Security
- TCP/IP, UDP, TFTP, SNMP v2c
- NAT, PPPoE, VPN Pass-through
- Dual Ethernet Ports
- Power-over-Ethernet
- Daylight Visible Alignment LED's
- Easy to Install All-In-One Units
- Web-based Management Tools
- Remote Firmware Upgrade
- Weatherproof Enclosure

## About Tranzeo Wireless Technologies™

Tranzeo Wireless Technologies Inc. (TSX:TZT) leads the wireless broadband industry for value, by producing high-performance wireless network equipment with a low cost of ownership and unparalleled service allowing communities and businesses to communicate without boundaries. Since the company's inception in 2000, Tranzeo's optimum cost effectiveness, premium quality and responsive support have attracted a growing number of devoted dealers and distributors worldwide.

## Tranzeo Wireless Technologies Inc.

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Radio Interface and Model Information	
Standards	IEEE 802.11b/g <sup>(1)</sup>
Frequency Range	2400 – 2483.5 MHz
Channel Bandwidths	5MHz, 10MHz, 20MHz
Radio Mode	Access Point (AP), Point-to-Point (P×P), Customer Premise Equipment (CPE)
Transmit Power	+27 dBm (max) with Adjustable Output
Receiver Sensitivity	<b>b-mode</b>
	-105 dBm @ 11 Mbps, -110 dBm @ 1 Mbps
Data Rate & Modulation	<b>b-mode</b>
	5.5/11 Mbps CCK, 2 Mbps DQPSK, 1 Mbps DBPSK
Receive Signal Strength	<b>g-mode</b>
	48/54 Mbps QAM-64, 24/36 Mbps QAM-16, 12/18 Mbps QPSK, 6/9 Mbps BPSK
Antenna Connector	RP-TNC
Model No. <sup>(2)</sup>	TR-650f/W
Networking and Management	
Device Management	Cross-Platform Utility, Web-Based Management, Remote Configuration and Firmware Upgrades (via IP), TFTP, SNMP v2c (MIB-II, 802.11 MIB, Tranzeo MIB), Import/Export/Save Settings Profiles
Protocols	TCP/IP, UDP, NAT, DHCP Client/Server, PPPoE, WDS, VPN Pass-Through, Multiple MAC Bridging
Quality of Service (QoS)	StreamEngine™ QoS
Bandwidth Management	Bandwidth Throttling (Bridge and Router Modes)
Security	40/64-bit and 128-bit WEP Encryption, WPA/WPA2 (TKIP/AES/Enterprise), MAC address filtering
Ethernet	2 x 10/100Base-T (RJ-45)
Max DHCP Clients	255
Power Supply	
Power Consumption	24 Watts (max)
Power Supply	12VDC/1.6A (100-240VAC~ 50-60Hz) f-Model: Fixed UL Plug (US only) W-Model: Snap-In Plugs for US, UK, and EU included
Mechanical and Environmental	
Dimensions (radio only)	7.00" x 4.25" x 2.5" (17.8cm x10.8cm cm x6.4cm)
Dimensions (package)	8.7" x 8.3" x 2.6" (22cm x 21cm x 6.5cm)
Weight (package)	3 lbs. (2 Kg)
Operating Temperature	-65°C to +60°C
Storage Temperature	-40°C to +85°C
Compliance and Warranty	
Export Control	HTC 8517.69.0000, ECCN 5A002 ENC, ECL 1-5.A.2.A.1
Compliance & Approvals	RoHS, FCC Part 15 Class B, Industry Canada, CE, EMC: EN 301 489, Safety: EN 60950, Radio: EN 302 213
Warranty	5-Year Parts / 3-Year Parts and Labour <sup>(3)</sup>

<sup>(1)</sup> g-mode available only in products built after January 10, 2007 <sup>(2)</sup> f: FCC Model (for use in the USA only), W: World Model (subject to local regulatory requirements) <sup>(3)</sup> 1-Year Parts and Labour warranty for products built before December 1, 2006, and 3-Year Parts and Labour warranty for products built after December 1, 2006 and before December 31, 2007. Specifications are subject to change without notice. StreamEngine is a trademark of Ubicom. Tranzeo and the Tranzeo logo are registered trademarks of Tranzeo Wireless Technologies Inc.